Title: USE OF SCF AND G-CSF IN THE TREATMENT OF CEREBRAL ISCHEMIA AND NEUROLOGICAL DISORDERS

Abstract: The present invention relates to the use of stem cell factor (SCF) polypeptide, alone and in combination with granulocyte colony stimulating factor (GCSF) polypeptide, in the prevention or treatment of injury to the brain after cerebral ischemia or neurological disorder. More particularly, the invention provides methods of improving neurological function and outcome after stroke by the administration of SCF polypeptide, alone and in combination with G-CSF polypeptide. This treatment can be used alone or in combination with other well-known methods of treatment of cerebral ischemia and neurological disorders in a mammal.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

INV. A61K38/19  A61P25/00  A61P25/28

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO–Internal, BIOSIS, MEDLINE, EMBASE, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<tr>
<td>X</td>
<td>DE 100 33 219 A1 (UNIVERSITAET HEIDELBERG) 24 January 2002 (2002-01-24) paragraph [0001]; claims 1,5</td>
<td>1,2, 4-17,19, 20,22-37</td>
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<td>US 2004/141946 A1 (SCHAEBITZ WOLF-REUDIGER ET AL) 22 July 2004 (2004-07-22) claims 1,2,8</td>
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<td>X</td>
<td>WO 03/069310 A (BUCK INSTITUTE; GREENBERG, DAVID, C; JIN, KUNLIN; MAO, XIAO OU; XIE, L) 21 August 2003 (2003-08-21) claims 1,5</td>
<td>1-3,5-17</td>
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Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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Date of the actual completion of the international search: 31 May 2006

Date of mailing of the international search report: 21/06/2006

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL – 2280 HV Rijswijk
Tel. (+31–70) 340–2040, Tx. 31 651 epo ni,
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Ludwig, G.
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<td>WO 03069310 A</td>
<td>21-08-2003</td>
<td>AU 2003213078 A1</td>
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